Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Saturday 30 Dec 2023 until 23:59 on Sunday 31 Dec 2023

Forecast Issued on Friday 29 Dec 2023 at 15:02

Confidence: High confidence for unsettled wet day on Saturday with strong winds. Wintery weather to follow with some snow accumulations expected at higher spots over the New Year period. Very windy at times with significant wind chill effect and poor visibility likely in wintery showers. Uncertainty in exact snow level and amount of showers later in the period.

Headline for Saturday 30 Dec 2023: A wet day with heavy rain for much of the day and southeasterly summit gales.

Mountain weather hazards on Saturday 30 Dec 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Medium Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Sleet showers (night)	Cloudy	Cloudy	Heavy Rain	Heavy Rain	Heavy Rain	Light rain	Dull
Precipitation probability							
40%	20%	20%	70%	70%	70%	70%	30%

Forecast for Saturday 30 Dec 2023

Weather: A few wintery showers in the early hours of Saturday but mostly dry by dawn. Soon after dawn an area of rain spreads east over the Yorkshire Dales and is expected to take most of the day to clear east, the rain may fall as sleet on the highest tops at first but will turn to rain for all. Rain will be heavy and persistent at times but may become more showery in the afternoon, very wet conditions underfoot. Accompanied by strong southeasterly winds which will enhance the windchill effect. Rain turning to showers on the summits later in the evening.

Chance of cloud-free hill tops above 600m: 80% falling to 40%, due to rain spreading across the area.

Low Cloud and visibility: Few or scattered layers of cloudy around 600m early in the day. Cloud will thicken and lower during the morning with broken layers above 400m, particularly in the west, perhaps higher and more scattered towards northwestern areas with some shelter. Visibility will be good initially in the morning but deteriorating as rain spreads in, becoming poor at times in heavier bursts of rain, improving slightly later in the day as the rain clears east.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Saturday 30 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	19/27 W	16/23 W	9/12 SW	14/19 SE	22/31 SE	23/34 S	14/21 S	17/26 S	17/25 S
300	11/25 W	9/22 W	2/8 S	9/20 SE	14/32 SE	14/31 S	7/17 S	11/24 S	11/22 S
Valley	6/17 W	3/13 W	2/7 SE	10/21 SE	15/33 SE	14/33 SE	7/19 S	9/23 S	10/23 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	0/-6	0/-5	0/-4	-0/-6	1/-6	4/-1	4/-1	3/-2	2/-3
300	2/-2	2/-1	2/0	2/-2	4/-1	6/2	5/3	5/1	4/1
Valley	4/2	4/2	3/2	3/-0	5/1	8/5	7/5	6/4	6/2
Freezing Level*	600m	700m	700m	600m	1300m	1500m	1300m	1000m	1000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Severe wind chill expected, bitterly cold at height in strong winds combined with rain. Freezing level rises during the day with all precipitation turning to rain.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Fri 29 Dec 2023	18.8mm	36mm	71mm

Forecast for Sunday 31 Dec 2023

Weather: A dry start to the day but turning showery with fresh or strong winds, showers will be wintery on the highest summits and squally at times, risk of some thunder in showers too.

Maximum wind: Southeasterly 20-25mph gusts 30mph, turning Northwesterly in the evening 15-20mph.

Chance of cloud-free hill tops above 600m: 60%, low cloud building around heavier showers.

Low Cloud and visibility: Layers of scattered or broken cloud above 500m, becoming more prevalent as showers group together, out with showers some brighter conditions and possible views. Mainly moderate visibility turning poor in heavier showers.

Temperature: **Valleys:** Plus 2 rising to 7 Celsius.
At 600m: Plus 1 Celsius
Freezing level: 800m

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